

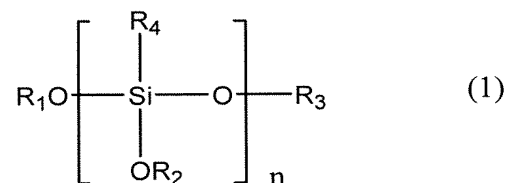
AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A coated ~~material for paper~~ material or fiber material comprising a hydroxyl group, having a surface to which a silane-based coating solution is applied and hardened/solidified by the action of a catalyst,

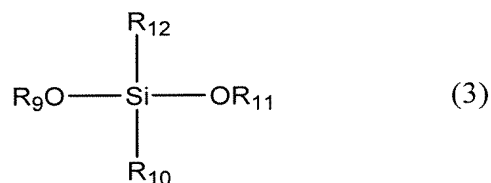
wherein said coating solution is a solvent solution comprising ~~comprises~~:

(a) a compound represented by formula 1



wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are independently a hydrogen or an alkyl group having 1-4 carbons and n = 2-10;

(b) a compound represented by formula 3 having two hydrolyzable substituents and two unhydrolyzable substituents



wherein R<sub>9</sub> and R<sub>11</sub> are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and an alkenyl group having 1-10 carbon atoms; and R<sub>10</sub> and R<sub>12</sub> each is independently selected from the group consisting of an alkyl group having 1-10 carbon atoms, an alkenyl group having 1-10 carbon atoms, a phenyl group, and a phenyl group having an epoxy group or a glycidyl group; or a condensate of said formula 3 wherein at least one of R<sub>9</sub>O and R<sub>11</sub>O represent a siloxane bond,

wherein the compound of formula 3 is added to the coating solution in an amount not exceeding 50% of the amount of formula 1 present in said coating solution;

(c) a hydrolysable organometallic compound;

wherein the surface is formed where said hydrolyzable organometallic compound is used as a catalyst for hardening/solidifying said coating solution; and

wherein the surface is formed where one or more organometallic compounds selected from the group consisting of titanium, zirconium, aluminum and tin is/are used as said hydrolyzable organometallic compound; and

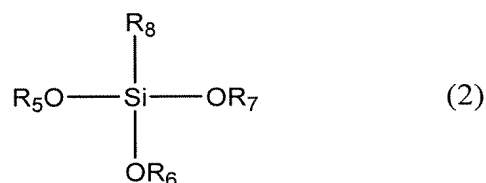
(d) a solvent;

~~wherein the compound represented by formula 1, the compound represented by formula 3 and the hydrolysable organometallic compound are dissolved.~~

2. (Currently Amended) The coated paper material or fiber material according to claim 1, wherein the surface is formed where, prior to the application of the coating solution, said fiber material is dipped in alcohol and dried and ultraviolet ray is further irradiated thereto.

3. – 4. (Canceled)

5. (Currently Amended) The coated paper material or fiber material according to claim 1, wherein the surface is formed where, in addition to formula 1, a coating solution containing a compound represented by formula 2 having three hydrolyzable substituents and one unhydrolyzable substituent is used as the coating solution of a silane type



wherein R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and an alkenyl group having 1-10 carbon atoms; and R<sub>8</sub> is selected from the group consisting of an alkenyl group having 1-10 carbon atoms, a phenyl group, and a phenyl groups having an epoxy group or a glycidyl group; or a condensate of said formula 2 wherein at least one of R<sub>5</sub>O, R<sub>6</sub>O and R<sub>7</sub>O represent a siloxane bond, and

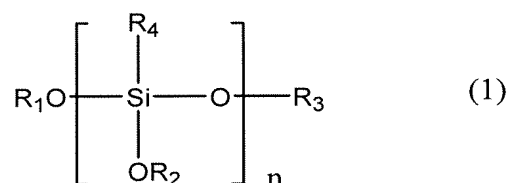
wherein the compound of formula 2 is added to the coating solution in an amount not exceeding 50% of the amount of formula 1 present in said coating solution.

6. (Canceled)

7. (Currently Amended) A coated ~~material for paper material~~ or fiber material comprising a hydroxyl group, having a surface to which a silane-based coating solution is applied and hardened/solidified by the action of a catalyst,

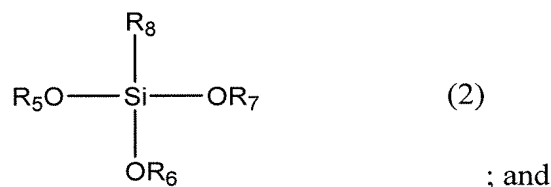
wherein said coating solution is a solvent solution comprising ~~comprises~~:

(a) a compound represented by formula 1

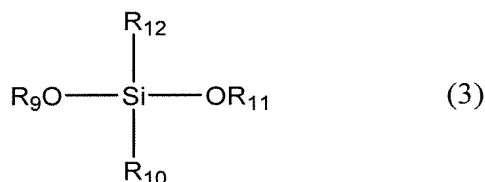


wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are independently a hydrogen or an alkyl group having 1-4 carbons and n = 2-10;

(b) a compound represented by formula 2



(c) a compound represented by formula 3



wherein in formulae (2) and (3)  $\text{R}_5$ ,  $\text{R}_6$  and  $\text{R}_7$  are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and an alkenyl group having 1-10 carbon atoms; and  $\text{R}_8$  is selected from the group consisting of an alkenyl group having 1-10 carbon atoms, a phenyl group, and a phenyl group having an epoxy group or a glycidyl group; or a condensate of said formula 2 wherein at least one of  $\text{R}_5\text{O}$ ,  $\text{R}_6\text{O}$  and  $\text{R}_7\text{O}$  represent a siloxane bond; and

wherein  $\text{R}_9$  and  $\text{R}_{11}$  are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and an alkenyl group having 1-10 carbon atoms; and  $\text{R}_{10}$  and  $\text{R}_{12}$  each is independently selected from the group consisting of an alkyl group having 1-10 carbon atoms, an alkenyl group having 1-10 carbon atoms, a phenyl group, and a phenyl group having an epoxy group or a glycidyl group; or a condensate of said formula 3 wherein at least one of  $\text{R}_9\text{O}$  and  $\text{R}_{11}\text{O}$  represent a siloxane bond,

wherein the compounds of formula 2 and formula 3 are added to the coating solution in an amount such that the total amount of formula 2 and formula 3 does not exceed 50% of the amount of formula 1 present in said coating solution;

(d) a hydrolysable organometallic compound;

wherein the surface is formed where said hydrolyzable organometallic compound is used as a catalyst for hardening/solidifying said coating solution; and

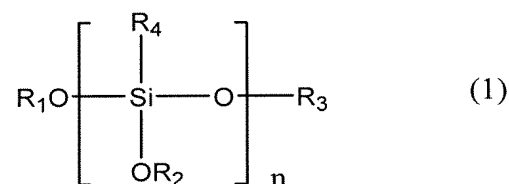
wherein the surface is formed where one or more organometallic compounds selected from the group consisting of titanium, zirconium, aluminum and tin is/are used as said hydrolyzable organometallic compound; and

(e) a solvent;

~~wherein the compound represented by formula 1, the compound represented by formula 2, the compound represented by formula 3, and the hydrolysable organometallic compound are dissolved.~~

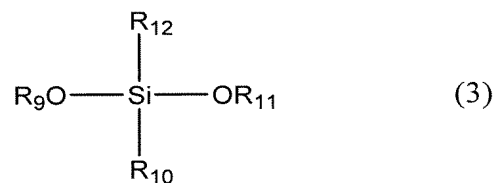
8. (Currently Amended) A coating solution of a silane type for giving an appropriate strength and good light transmitting and water repelling properties to a fiber material where said coating solution is a solvent solution comprising ~~comprises~~

(a) a compound represented by formula 1



wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are independently a hydrogen or an alkyl group having 1-4 carbons and n = 2-10;

(b) a compound represented by formula 3 having two hydrolyzable substituents and two unhydrolyzable substituents



wherein  $R_9$  and  $R_{11}$  are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and an alkenyl group having 1-10 carbon atoms; and  $R_{10}$  and  $R_{12}$  each is independently selected from the group consisting of an alkyl group having 1-10 carbon atoms, an alkenyl group having 1-10 carbon atoms, a phenyl group, and a phenyl group having an epoxy group or a glycidyl group; or a condensate of said formula 3 wherein at least one of  $R_9O$  and  $R_{11}O$  represent a siloxane bond,

wherein the compound of formula 3 is added to the coating solution in an amount not exceeding 50% of the amount of formula 1 present in said coating solution;

(c) a catalyst for hardening/solidifying thereof,

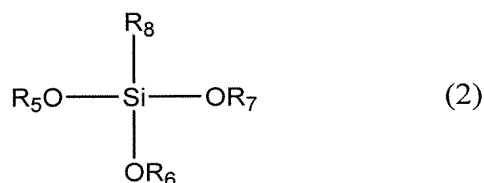
wherein the catalyst for hardening/solidifying the coating solution of a silane type is one or more organometallic compounds selected from the group consisting of titanium, zirconium, aluminum and tin; and

(d) a solvent;

~~wherein the compound represented by formula 1, the compound represented by formula 3, and the catalyst are dissolved.~~

9. – 10. (Canceled)

11. (Previously Presented) The coating solution of claim 8, wherein the coating solution of a silane type contains a compound represented by formula 2 having three hydrolyzable substituents and one unhydrolyzable substituent in addition to the compound of formula 1



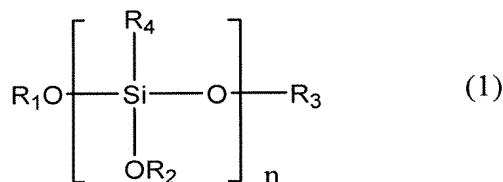
wherein R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms and an alkenyl group having 1-10 carbon atoms; and R<sub>8</sub> is an alkenyl group having 1-10 carbon atoms, a phenyl group, and a phenyl group having an epoxy group or a glycidyl group; or a condensate of said formula 2 wherein at least one of R<sub>5</sub>O, R<sub>6</sub>O and R<sub>7</sub>O represent a siloxane bond, and

wherein the compound of formula 2 is added to the coating solution in an amount not exceeding 50% of the amount of formula 1 present in said coating solution.

12. (Canceled)

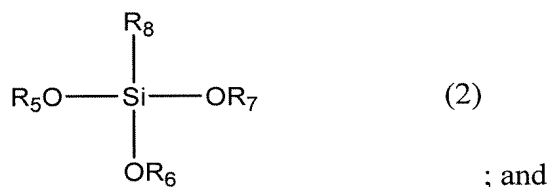
13. (Currently Amended) A coating solution of a silane type for giving an appropriate strength and good light transmitting and water repelling properties to a fiber material, wherein the coating solution of a silane type is a solvent solution comprising ~~comprises~~

(a) a compound represented by formula 1

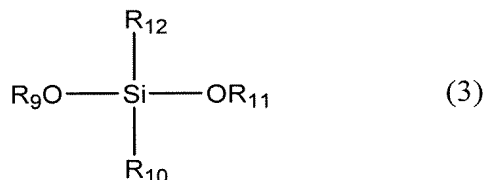


wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are independently a hydrogen or an alkyl group having 1-4 carbons and n = 2-10;

(b) a compound represented by formula (2)



(c) a compound represented by formula 3



wherein in formulae (2) and (3)  $\text{R}_5$ ,  $\text{R}_6$  and  $\text{R}_7$  are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms, and an alkenyl group having 1-10 carbon atoms; and  $\text{R}_8$  is selected from the group consisting of an alkenyl group having 1-10 carbon atoms, or a phenyl group, and a phenyl group having an epoxy group or a glycidyl group; or a condensate of said formula 2 wherein at least one of  $\text{R}_5\text{O}$ ,  $\text{R}_6\text{O}$  and  $\text{R}_7\text{O}$  represent a siloxane bond; and

wherein  $\text{R}_9$  and  $\text{R}_{11}$  are independently selected from the group consisting of a hydrogen, an alkyl group having 1-10 carbon atoms, and an alkenyl group having 1-10 carbon atoms; and  $\text{R}_{10}$  and  $\text{R}_{12}$  each is independently selected from the group consisting of an alkyl group having 1-10 carbon atoms, an alkenyl group having 1-10 carbon atoms, a phenyl group, and a phenyl group having an epoxy group or a glycidyl group; or a condensate of said formula 3 wherein at least one of  $\text{R}_9\text{O}$  and  $\text{R}_{11}\text{O}$  represent a siloxane bond, and

wherein the compounds of formula 2 and formula 3 are added to the coating solution in an amount such that the total amount of formula 2 and formula 3 does not exceed 50% of the amount of formula 1 present in said coating solution,

(d) a catalyst for hardening/solidifying thereof,



wherein the catalyst for hardening/solidifying the coating solution of a silane type is one or more organometallic compounds selected from the group consisting of titanium, zirconium, aluminum and tin; and

(e) a solvent;

~~wherein the compound represented by formula 1, the compound represented by formula 2, the compound represented by formula 3, and the catalyst are dissolved.~~

14. (Currently Amended) The coated paper material or fiber material according to claim 7, wherein the surface is formed where, prior to the application of the coating solution, said fiber material is dipped in alcohol and dried and ultraviolet ray is further irradiated thereto.

15. (Currently Amended) The coated paper material or fiber material according to claim 1, wherein when any of  $R_9 - R_{12}$  is an alkyl group having 1 to 10 carbon atoms.

16. (Currently Amended) The coated paper material or fiber material according to claim 1, wherein when any of  $R_9 - R_{12}$  is an alkenyl group having 1 to 10 carbon atoms.

17. (Currently Amended) The coated paper material or fiber material according to claim 7, wherein when any of  $R_9 - R_{12}$  is an alkyl group having 1 to 10 carbon atoms.

18. (Currently Amended) The coated paper material or fiber material according to claim 7, wherein when any of  $R_9 - R_{12}$  is an alkenyl group having 1 to 10 carbon atoms.

19. (Previously Presented) The coating solution according to claim 8, wherein when any of  $R_9 - R_{12}$  is an alkyl group having 1 to 10 carbon atoms.

20. (Previously Presented) The coating solution according to claim 8, wherein when any of  $R_9 - R_{12}$  is an alkenyl group having 1 to 10 carbon atoms.

21. (Previously Presented) The coating solution according to claim 13, wherein when any of  $R_9 - R_{12}$  is an alkyl group having 1 to 10 carbon atoms.

22. (Previously Presented) The coating solution according to claim 13, wherein when any of  $R_9 - R_{12}$  is an alkenyl group having 1 to 10 carbon atoms.